

1 / SUBROUTINE PTCOMP CHECKS IF ANY P.T. HOLES UNDER  
2 / COMPONENTS. O/PS COORDS OF ANY SUCH HOLES.  
3 / CONDITIONAL ASSEMBLY SLOT=4 FOR LP

PAGE	2	PTCOMP SRC	PTCOMP
4			.TITLE PTCOMP
5			.GLOBL PTCOMP, READRT, .DA, PTOUT
6		000004 A	SLOT=4 /MODIFIED 750226 HB
7	000000 R	740040 A	PTCOMP XX
8	000001 R	120473 E	JMS* .DA
9	000002 R	600011 R	JMP .+1+6
10	000003 R	000000 A	LIBAD 0
11	000004 R	000000 A	EOLIB 0
12	000005 R	000000 A	COMPAD 0
13	000006 R	000000 A	EOCOMP 0
14	000007 R	000000 A	ROUTAD 0
15	00010 R	000000 A	EOROUT 0
16	00011 R	220474 R	LAC* (.SCOM+23 / ADDRESS OF .DAT
17	00012 R	723004 A	AAC 4
18	00013 R	040466 R	DAC DAT1#
19	00014 R	723772 A	AAC -6
20	00015 R	040467 R	DAC DAT2#
21			.IFZER SLOT-4
22			.GLOBL LPA.
23	00016 R	200470 E	LAC LPA.
24	00017 R	060466 R	DAC* DAT1 / LPA IN DAT TABLE
25			.ENDC
26			.IFNZR SLOT-4
27			LAC* DAT2
28			DAC* DAT1
29			.ENDC
30	00020 R	200010 R	LAC EOROUT
31	00021 R	040052 R	DAC RTARG+2 / SET PARAM FOR READRT
32	00022 R	140440 R	DZM MODE / FLAG FOR OUTPUT ROUTINE
33	00023 R	200007 R	LAC ROUTAD
34	00024 R	040441 R	DAC ADRT
35	00025 R	360010 R	TAD* EOROUT
36	00026 R	723777 A	AAC -1
37	00027 R	040442 R	DAC ENDRT / ABS PTR TO END OF ROUTES
38	00030 R	200441 R	RUTSCH LAC ADRT
39	00031 R	540442 R	SAD ENDRT
40	00032 R	620000 R	JMP* PTCOMP /FINISHED ALL ROUTES
41	00033 R	040050 R	DAC RTARG / SET ADDR OF ROUTE FOR READRT
42	00034 R	060475 R	DAC* (10
43	00035 R	220010 A	LAC* 10
44	00036 R	744000 A	CLL
45	00037 R	640512 A	LR5 12
46	00040 R	040443 R	DAC NWDS / NO OF WORDS IN ROUTE IN ROUTES ARRAY
47	00041 R	200007 R	LAC ROUTAD
48	00042 R	740031 A	TCA
49	00043 R	340441 R	TAD ADRT
50	00044 R	740030 A	IAC
51	00045 R	040444 R	DAC RIPT
52	00046 R	120472 E	JMS* READRT / READ NEXT ROUTE INTO BUFF
53	00047 R	600057 R	JMP .+1+7
54	00050 R	000000 A	RTARG 0
55	00051 R	000274 R	.DSA BUFF
56	00052 R	000000 A	0 / EOROUT

PAGE	3	PTCOMP	SRC	PTCOMP
57		00053	R 000476	R .DSA 1 / NON DESTRUCTIVE READ
58		00054	R 000444	R .DSA RTPT
59		00055	R 000000	A 0
60		00056	R 000000	A 0 / LAST 2 PARAMS NOT NEEDED FOR NON DESTRUCTIVE
61				/ NOW SCAN ROUTE IN BUFF
62				/
63				/
64		00057	R 140445	R DZM NPT / NO OF PTS SCANNED
65		00060	R 200477	R LAC (BUFF
66		00061	R 040463	R DAC BFAD / PTR TO POINT IN BUFF
67		00062	R 200445	R BUFSCN LAC NPT
68		00063	R 540274	R SAD BUFF
69		00064	R 600114	R JMP ENBUF / FINISHED THIS ROUTE IN BUFF
70		00065	R 723776	A AAC -2
71		00066	R 741100	A SPA
72		00067	R 600105	R JMP NEXPT
73		00070	R 220463	R LAC* BFAD / SIDE OF THIS SEG
74		00071	R 540446	R SAD SIDE / LAST SEG
75		00072	R 600106	R JMP NEXPT+1 / SAME SIDE, NO P.T. HOLE
76		00073	R 200463	R LAC BFAD
77		00074	R 723776	A AAC -2
78		00075	R 040463	R DAC BFAD
79		00076	R 220463	R LAC* BFAD
80		00077	R 040447	R DAC XP
81		00100	R 440463	R ISZ BFAD
82		00101	R 220463	R LAC* BFAD
83		00102	R 040450	R DAC YP
84		00103	R 100120	R JMS COMPAR
85		00104	R 440463	R ISZ BFAD
86		00105	R 220463	R NEXPT LAC* BFAD
87		00106	R 040446	R DAC SIDE / STORE SEG SIDE
88		00107	R 200463	R LAC BFAD
89		00110	R 723003	A AAC 3
90		00111	R 040463	R DAC BFAD / UPDATE TO NEXT PT
91		00112	R 440445	R ISZ NPT
92		00113	R 600062	R JMP BUFSCN
93		00114	R 200441	R ENBUF LAC ADRT
94		00115	R 340443	R TAD NWDS
95		00116	R 040441	R DAC ADRT / UPDATE PTR TO NXT ROUTE
96		00117	R 600030	R JMP RUTSCN
97				/
98				/ NOW SEE IF PT HOLE IS UNDER ANY COMP
99				/
100				/
101		00120	R 740040	A COMPAR XX
102		00121	R 200005	R LAC COMPAD
103		00122	R 040451	R DAC ADCMP
104		00123	R 360006	R TAD* EOCMP
105		00124	R 723777	A AAC -1
106		00125	R 040452	R DAC ENCMP / ABS PTR TO END OF COMPS
107		00126	R 200451	R CMPSCN LAC ADCMP
108		00127	R 540452	R SAD ENCMP
109		00130	R 620120	R JMP* COMPAR

PAGE	4	PTCOMP	SRC	PTCOMP
110		00131	R 440451 R	ISZ ADCMP
111		00132	R 220451 R	LAC* ADCMP
112		00133	R 040464 R	DAC NAME / STORE COMPONENT NAME
113		00134	R 440451 R	ISZ ADCMP
114		00135	R 220451 R	LAC* ADCMP
115		00136	R 500500 R	AND (777400 / REPLACE C.R. OR ALTMODE
116		00137	R 240501 R	XOR (100 / WITH SPACE
117		00140	R 040465 R	DAC NAME+1
118		00141	R 440451 R	ISZ ADCMP
119		00142	R 220451 R	LAC* ADCMP
120		00143	R 500502 R	AND (777
121		00144	R 040453 R	DAC LIBPTR
122		00145	R 220451 R	LAC* ADCMP
123		00146	R 640520 A	LRS 20
124		00147	R 500503 R	AND (3
125		00150	R 040454 R	DAC ORNT / COMPONENT ORIENTATION
126		00151	R 440451 R	ISZ ADCMP
127		00152	R 220451 R	LAC* ADCMP
128		00153	R 500504 R	AND (1777
129		00154	R 040455 R	DAC XMIN
130		00155	R 040461 R	DAC XMAX / GET COMP POSN
131		00156	R 440451 R	ISZ ADCMP
132		00157	R 220451 R	LAC* ADCMP
133		00160	R 500504 R	AND (1777
134		00161	R 040456 R	DAC YMIN
135		00162	R 040462 R	DAC YMAX
136		00163	R 440451 R	ISZ ADCMP / UPDATE FOR NEXT COMP
137		00164	R 200003 R	LAC LIBAD
138		00165	R 340453 R	TAD LIBPTR
139		00166	R 740030 A	IAC / PTR TO 3RD WRD IN LIB ENTRY
140		00167	R 040453 R	DAC LIBPTR / ABS PTR NOW
141		00170	R 220453 R	LAC* LIBPTR
142		00171	R 500502 R	AND (777
143		00172	R 040460 R	DAC YSIZ
144		00173	R 220453 R	LAC* LIBPTR
145		00174	R 744000 A	CLL
146		00175	R 640511 A	LRS 11
147		00176	R 040457 R	DAC XSIZ / X,Y SIZE OF COMP
148		00177	R 200454 R	LAC ORNT
149		00200	R 741200 A	SNA
150		00201	R 600232 R	JMP OR0
151		00202	R 540476 R	SAD (1
152		00203	R 600224 R	JMP OR1
153		00204	R 540505 R	SAD (2
154		00205	R 600213 R	JMP OR2
155		00206	R 200460 R	OR3 LAC YSIZ
156		00207	R 340461 R	TAD XMAX
157		00210	R 040461 R	DAC XMAX
158		00211	R 200457 R	LAC XSIZ
159		00212	R 600220 R	JMP NSTY
160		00213	R 200457 R	OR2 LAC XSIZ
161		00214	R 740031 A	TCA
162		00215	R 340455 R	TAD XMIN

PAGE	5	PTCOMP	SRC	PTCOMP
163		00216	R 040455 R	DAC YMIN
164		00217	R 200460 R	LAC YSIZ
165		00220	R 740031 A	NSTY TCA
166		00221	R 340456 R	TAD YMIN
167		00222	R 040456 R	DAC YMIN
168		00223	R 600240 R	JMP EX
169		00224	R 200460 R	OR1 LAC YSIZ
170		00225	R 740031 A	TCA
171		00226	R 340455 R	TAD XMIN
172		00227	R 040455 R	DAC XMIN
173		00230	R 200457 R	LAC XSIZ
174		00231	R 600236 R	JMP STRY
175		00232	R 200457 R	OR0 LAC XSIZ
176		00233	R 340461 R	TAD XMAX
177		00234	R 040461 R	DAC XMAX
178		00235	R 200460 R	LAC YSIZ
179		00236	R 340462 R	STRY TAD YMAX
180		00237	R 040462 R	DAC YMAX
181				/ TEST HOLE POS AGAINTST COMP MAX,MIN
182				/
183		00240	R 200447 R	EX LAC XP
184		00241	R 740031 A	TCA
185		00242	R 652000 A	LMQ
186		00243	R 340461 R	TAD XMAX
187		00244	R 741100 A	SPA
188		00245	R 600126 R	JMP CMPSCN / NOT UNDER THIS COMP
189		00246	R 641002 A	LACQ
190		00247	R 340455 R	TAD XMIN
191		00250	R 740300 A	SMA!SZA
192		00251	R 600126 R	JMP CMPSCN
193		00252	R 200450 R	LAC YP
194		00253	R 740031 A	TCA
195		00254	R 652000 A	LMQ
196		00255	R 340462 R	TAD YMAX
197		00256	R 741100 A	SPA
198		00257	R 600126 R	JMP CMPSCN
199		00260	R 641002 A	LACQ
200		00261	R 340456 R	TAD YMIN
201		00262	R 740300 A	SMA!SZA
202		00263	R 600126 R	JMP CMPSCN
203		00264	R 120471 E	JMS* PTOUT / OUTPUT COORDS ON L/P
204		00265	R 600272 R	JMP .+1+4
205		00266	R 000447 R	.DSA XP
206		00267	R 000450 R	.DSA YP
207		00270	R 000440 R	.DSA MODE
208		00271	R 000464 R	.DSA NAME
209		00272	R 440440 R	ISZ MODE
210		00273	R 600126 R	JMP CMPSCN
211				/
212				/
213				/ SYMBOL TABLE FOLLOWS
214				/
215		00274	R A	BUFF .BLOCK 144

PAGE	6	PTCOMP	SRC	PTCOMP
216		00440	R 000000 A	MODE 0
217		00441	R 000000 A	ADRT 0
218		00442	R 000000 A	ENDRT 0
219		00443	R 000000 A	NWDS 0
220		00444	R 000000 A	RTFT 0
221		00445	R 000000 A	NPT 0
222		00446	R 000000 A	SIDE 0
223		00447	R 000000 A	XP 0
224		00450	R 000000 A	YP 0
225		00451	R 000000 A	ADCMP 0
226		00452	R 000000 A	ENCMP 0
227		00453	R 000000 A	LIBPTR 0
228		00454	R 000000 A	ORNT 0
229		00455	R 000000 A	XMIN 0
230		00456	R 000000 A	YMIN 0
231		00457	R 000000 A	XSIZ 0
232		00460	R 000000 A	YSIZ 0
233		00461	R 000000 A	XMAX 0
234		00462	R 000000 A	YMAX 0
235		00463	R 000000 A	BFAD 0
236		00464	R 000000 A	NAME 0
237		00465	R 000000 A	0
238			000100 A	.SCOM=100
239			000000 A	.END
		00470	R 000470 E *E	
		00471	R 000471 E *E	
		00472	R 000472 E *E	
		00473	R 000473 E *E	
		00474	R 000123 A *L	
		00475	R 000010 A *L	
		00476	R 000001 A *L	
		00477	R 000274 R *L	
		00500	R 777400 A *L	
		00501	R 000100 A *L	
		00502	R 000777 A *L	
		00503	R 000003 A *L	
		00504	R 001777 A *L	
		00505	R 000002 A *L	

PAGE 7 PTCOMP SRC PTCOMP

ADCMP	00451 R	ADRT	00441 R	BFAD	00463 R	BUFF	00274 R
BUFSCN	00062 R	CMPSCN	00126 R	COMPAD	00005 R	COMPAR	00120 R
DAT1	00466 R	DAT2	00467 R	ENBUF	00114 R	ENCMP	00452 R
ENDRT	00442 R	EOCOMP	00006 R	EOLIB	00004 R	EOROUT	00010 R
EX	00240 R	LIBAD	00003 R	LIBPTR	00453 R	LPA.	00470 E
MODE	00440 R	NAME	00464 R	NEXPT	00105 R	NPT	00445 R
NSTY	00220 R	NWDS	00443 R	ORNT	00454 R	OR0	00232 R
OR1	00224 R	OR2	00213 R	OR3	00206 R	PTCOMP	00000 R
PTOUT	00471 E	READRT	00472 E	ROUTAD	00007 R	RTARG	00050 R
RTPT	00444 R	RUTSCN	00030 R	SIDE	00446 R	SLOT	000004 A
STRY	00236 R	XMAX	00461 R	XMIN	00455 R	XP	00447 R
XSIZ	00457 R	YMAX	00462 R	YMIN	00456 R	YP	00450 R
YSIZ	00460 R	.DA	00473 E	.SCOM	000100 A		

ADCMF	00451	103	107	110	111	113	114	118	119	122
		126	127	131	132	136	225*			
ADRT	00441	34	38	49	93	95	217*			
BFAD	00463	66	73	76	78	79	81	82	85	86
		88	90	235*						
BUFF	00274	55	65	68	215*					
BUFSCN	00062	67*	92							
CMPSCN	00126	107*	188	192	198	202	210			
COMPAD	00005	12*	102							
COMPAR	00120	84	101*	109						
DAT1	00466	18	24	28						
DAT2	00467	20	27							
ENBUF	00114	69	93*							
ENCMF	00452	106	108	226*						
ENDRT	00442	37	39	218*						
EOCOMP	00006	13*	104							
EOLIB	00004	11*								
ROUT	00010	15*	30	35						
EX	00240	168	183*							
LIBAD	00003	10*	137							
LIBPTR	00453	121	138	140	141	144	227*			
LPA.	00470	22	23							
MODE	00440	32	207	209	216*					
NAME	00464	112	117	208	236*					
NEXPT	00105	72	75	86*						
NPT	00445	64	67	91	221*					
NSTY	00220	159	165*							
NWDS	00443	46	94	219*						
ORNT	00454	125	148	228*						
OR0	00232	150	175*							
OR1	00224	152	169*							
OR2	00213	154	160*							
OR3	00206	155*								
PTCOMP	00000	4	5	7*	40					
PTOUT	00471	5	203							
READRT	00472	5	52							
ROUTAD	00007	14*	33	47						
RTARG	00050	31	41	54*						
RIPT	00444	51	58	220*						
ROUTSCN	00070	70*	90							